

High Altitude Student Project; Capsule

Purpose:

We are creating an animatronic puppet monkey that will interact with young students, via camera, while in high altitude conditions. The puppet will be housed in a light foam shell, or capsule, and sent up on a high altitude balloon. This project will also be participating in NASA WALLOPS this upcoming fall.

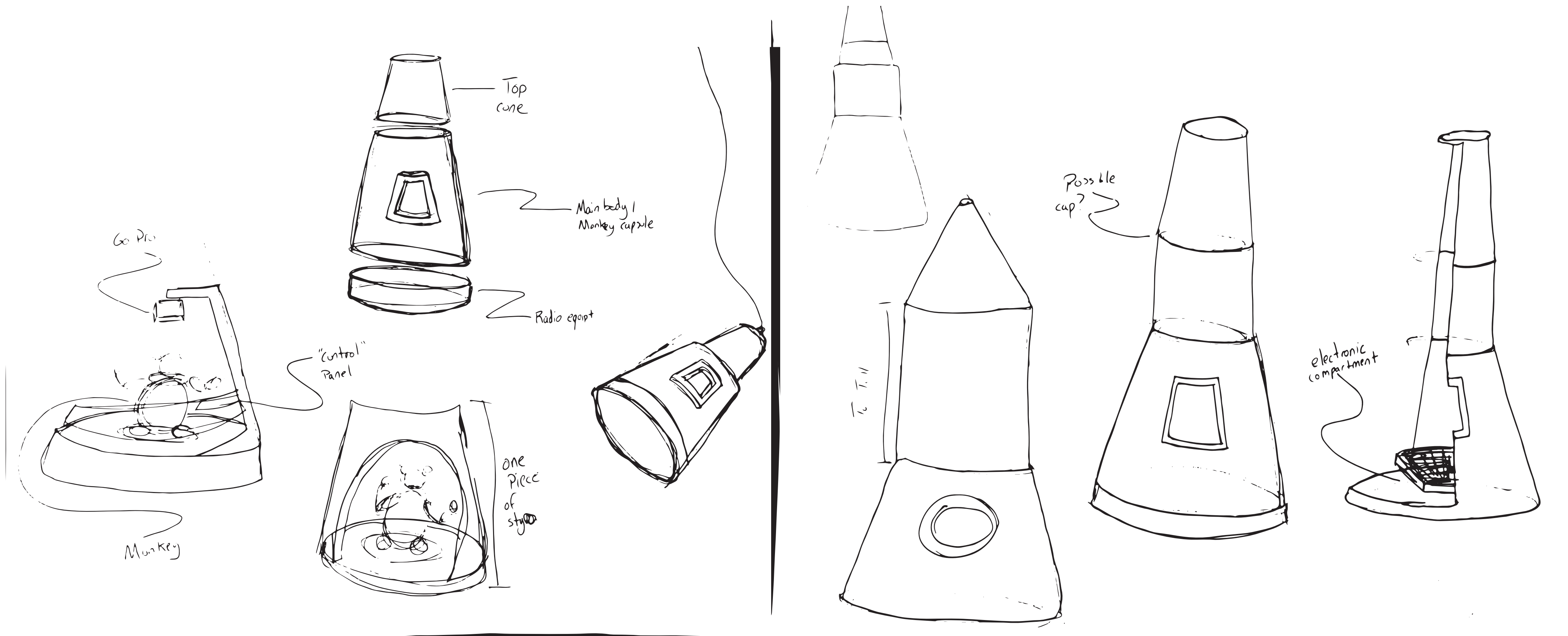


Goal:

To educate young students about high altitude conditions in an effective, yet fun way. To create an interactive experience that will have a lasting educational impact.

Using the original Mercury capsule as reference, a similar design has been implimented for our capsule.

Sketching:



The sketches show the capsule broken up into 2 main compartments. The radio equipment/battery will be housed under the main compartment. The monkey will be secured in the main compartment with a Go-Pro camera facing him. Also in the same area will be a port hole window.